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APPLICATION NO. FIRST NAMED INVENTOR ATTORNEY DOCKET NO. FILING DATE CONFIRMATION NO. 10/774,151 02/05/2004 Christian Lutkemeyer 15308US01 7309 **EXAMINER** 23446 7590 10/27/2004 MCANDREWS HELD & MALLOY, LTD JEANGLAUDE, JEAN BRUNER **500 WEST MADISON STREET** ART UNIT PAPER NUMBER **SUITE 3400** CHICAGO, IL 60661 2819

DATE MAILED: 10/27/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)
Office Action Summary	10/774,151	LUTKEMEYER, CHRISTIAN
	Examiner	Art Unit
	Jean B Jeanglaude	2819
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply		
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 2 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).		
Status		
 Responsive to communication(s) filed on <u>05 February 2004</u>. This action is FINAL. 2b) This action is non-final. Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i>, 1935 C.D. 11, 453 O.G. 213. 		
Disposition of Claims		
 4) Claim(s) 1-23 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) Claim(s) 1-23 is/are allowed. 6) Claim(s) is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/or election requirement. 		
Application Papers		
 9) The specification is objected to by the Examiner. 10) The drawing(s) filed on <u>05 February 2004</u> is/are: a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. 		
Priority under 35 U.S.C. § 119		
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 		
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date 07-26-04.	4) Interview Summary (Paper No(s)/Mail Date 5) Notice of Informal Pate 6) Other:	

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DETAILED ACTION

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Drawings

1. It is suggested to link one block to the next block in the flow chart to facilitate the understanding of the path of the process.

Allowable Subject Matter

- 2. Claims 1 – 23 are allowable.
- 3. Reasons for allowing these claims will be provided in the next office action.

Conclusion

- 4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.
- 5. Ehlig et al. (US patent Number 5,313,648) discloses a signal processing apparatus having first and second registers enabling both to concurrently receive identical information in one context and disabling one to retain the information in a next context.
- 6. Seo (US patent Number 5,446,456) discloses a digital signal processing system.
- 7. Claydon et al. (US patent number 5,717,715) discloses a signal processing apparatus and method.
- 8. Tsuchida et al. (US patent Number 5,835,043) discloses a signal processing apparatus signal recording apparatus and signal reproducing apparatus.
- 9. Cartier (US patent Number 5,881,106) discloses a signal processing circuit to implement a viberti algorithm.

10. Noguchi et al. (US patent Number 6,064,700) discloses a 1-bit digital signal

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processing device, recording device and reproducing device.

11. Jaffe et al. (US patent Number 6,693,566) discloses an interspersed training for

turbo-coded modulation.

12. Piret (US Application Number 09/892,874) discloses a decoding method and

device and systems implementing them.

13. This application is in condition for allowance except for the matter mentioned

above.

Prosecution on the merits is closed in accordance with the practice under Ex

parte Quayle, 1935 C.D. 11, 453 O.G. 213.

A shortened statutory period for reply to this action is set to expire TWO

MONTHS from the mailing date of this letter.

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Jean B Jeanglaude whose telephone number is 571-

272-1804. The examiner can normally be reached on Monday - Friday 7:30 A. M. - 5:00

P.M..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Michael Tokar can be reached on 571-272-1812. The fax phone number for

the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the

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published applications may be obtained from either Private PAIR or Public PAIR.

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For more information about the PAIR system, see http://pair-direct.uspto.gov. Should

you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free).

Jean Bruner Jeanglaude
Jean Bruner Jeanglaude

Primary Examiner October 22, 2004

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